

ABSTRACT OF THE DISCLOSURE

This invention provides a water-soluble lubricant for warm or hot metal forming that possesses exceptional lubricity intended to reduce the friction between a die and a workpiece, has excellent operating environment properties, and can be readily treated as wastewater.

In the water-soluble lubricant of this invention for warm or hot metal forming, sodium salts of an imidated isobutylene/maleic anhydride copolymer, which is obtained by imidating part of a copolymer of maleic anhydride and isobutadiene and which has an imidation ratio of 1 to 80 molar percent and a weight-average molecular weight of 1,000 to 1,000,000, is contained in an amount of 1 to 70 mass percent per 100 mass percent of the water-soluble lubricant for warm or hot metal forming.